

Listing of Claims:

1. (Currently Amended) A liquid ejection apparatus
comprising:

a liquid ejection head having a nozzle with an inner
diameter of at most 15 μm ~~or less to eject droplets of charged~~
5 ~~solution onto a substrate;~~

an ejection voltage supply to apply an ejection voltage to a
solution inside the nozzle so as to charge the solution;

a convex meniscus generator to ~~form a state in which~~ cause
the solution inside the nozzle ~~rises~~ to rise from the nozzle in a
10 convex shape; and

an operation controller to control application of a drive
voltage to drive the convex meniscus generator and application of
~~an~~ the ejection voltage by the ejection voltage supply so that
the drive voltage to the convex meniscus generator is applied in
15 timing overlapped with the application of a pulse voltage as the
ejection voltage by the ejection voltage supply;

wherein the operation controller controls a voltage having a
reversed polarity to the ejection voltage to be applied to the
solution inside the nozzle just before or just after the ejection
20 voltage is applied to the solution inside the nozzle.

Claim 2 (Canceled).

3. (Original) The liquid ejection apparatus of claim 1,
wherein the operation controller applies the drive voltage to the
convex meniscus generator in advance, and also in timing
overlapped with the application of the ejection voltage by the
5 ejection voltage supply.

4. (Original) The liquid ejection apparatus of claim 1,
wherein the liquid ejection head includes a plurality of nozzles
each of which has the convex meniscus generator.

Claims 5-6 (Canceled).

7. (Original) The liquid ejection apparatus of claim 3,
wherein the liquid ejection head includes a plurality of nozzles
each of which has the convex meniscus generator.

Claim 8 (Canceled).

9. (New) The liquid ejection apparatus of claim 1, wherein
the inner diameter of the nozzle is between 0.2 μm and 8 μm .

10. (New) The liquid ejection apparatus of claim 9, wherein
the inner diameter of the nozzle is between 0.2 μm and 4 μm .